

Instructions: Bold fields must be completed.

| Station Summary | | | |
|---|--------------------------|--|---|
| Waterbody Name BIG BEAVER CREEK | | Waterbody ID Code 2076200 | Sample ID (YYYYMMDD-CY-FD) <u>20160929-17-06</u> |
| Sampling Location <u>DS 3m from bridge</u> | | Database Key 133642032 | |
| SWIMS Station ID 173068 | | SWIMS Station Name BIG BEAVER CREEK - CTH F SEC 10 | |
| Latitude 45.1026262 | Longitude -91.9459536 | Lat/Long Determination Method (circle) SWIMS SWDV GPS | Datum Used if using GPS WGS84 or NAD83 |
| Basin (WMU) LOWER CHIPPEWA | | Watershed Name HAY RIVER | County DUNN |

| Sample and Site Descriptors | |
|---|--|
| Sample Collector (Last Name, First) <u>Ring, Jacob</u> | Project Name BIG BEAVER CREEK TWA [SECTION 319] 2016 |

Sampling Device

Kick Net
 Surber Sampler
 Eckman
 Ponar
 Artificial Substrate
 Hess Sampler
 Other: _____

Habitat Sampled

Riffle
 Run
 Pool
 Other
 Shoreline Composite
 Proportionally-Sampled Habitat
 Littoral Zone
 Profundal Zone
 Wetland

| | | | |
|---|--|--|------------------------------------|
| Total Sampling Time (min) <u>1 min</u> | Estimated Area Sampled (m ²) <u>1 m²</u> | Number of Samples in Composite <u>1</u> | Replicate No. <u>1</u> of <u>1</u> |
|---|--|--|------------------------------------|

Reason For Sampling

Least Impacted Reference
 Baseline
 Impact / Treatment Site
 Control Site
 Trend
 Other: _____

| | | | | | |
|-----------------|-------------|---------------|---------|-------------------------|-------------------|
| Water Temp. (C) | D.O. (mg/l) | D.O. (% sat.) | pH (su) | Conductivity (umhos/cm) | Transparency (cm) |
|-----------------|-------------|---------------|---------|-------------------------|-------------------|

| | |
|---|---|
| Water Color <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained | Estimated Stream Velocity (m/s) <input type="checkbox"/> Slow (< 0.15 m/s) <input checked="" type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input type="checkbox"/> Fast (> 0.5 m/s) |
|---|---|

| | | |
|---|--|--|
| Measured Velocity circle units m/s or f/s | Average Stream Depth of reach (m) <u>.3</u> | Average Stream Width of reach (m) <u>7m</u> |
|---|--|--|

Composition of Substrate Sampled (Percent):

Bedrock: _____
 Boulders (basketball or larger): 30
 Rubble (tennisball to basketball): 20
 Gravel (ladybug to tennisball): 40
 Sand: 10
 Clay: _____
 Silt/Muck: _____
 Overhanging Vegetation: _____
 Aquatic Macrophytes: _____
 Leaf Snags: _____
 Coarse Woody Debris: _____
 Other (____): _____
 Embeddedness of Substrate at Sample Site (%) 10
 Canopy Cover at Sample Site (%) 0

Stream and Watershed Descriptors

N = Not a problem
 U = Uncertain
 PL = Present, Low Impact
 PH = Present, High Impact

| Factors that may be influencing Water Resource Integrity | Local | Water-shed | Factors that may be influencing Water Resource Integrity | Local | Water-shed |
|--|-------|------------|--|-------|------------|
| Biological | | | Chemical | | |
| Algae: - Diatoms / Periphyton | N | | Chlorine | | |
| - Filamentous Algae | N | | Dissolved Oxygen | | |
| - Planktonic Algae | N | | Nutrients (P, N...) | | |
| Iron Bacteria | N | | Toxics: - Inorganic (Metals) | | |
| Macrophytes | N | | - Organic (PCBs, pesticides...) | | |
| Slimes | N | | Other - Specify: | | |
| Other - Specify: | | | Sources of Stream Impacts | | |
| | | | Bank Erosion | N | |
| Physical | | | Point Source - Specify: | | |
| Bank Erosion | N | | Pasturing of Livestock | PH | |
| Channelization: - Upstream | N | | Runoff: - Barnyard | N | |
| - Downstream | N | | - Construction | N | |
| Hydraulic Scour / Channel Incision | N | | - Cropland | PH | |
| Impoundment: - Upstream | N | | - Urban | N | |
| - Downstream | N | | Septic Systems | | |
| Low Flow | | | Tile Drainage - Organic Soils | | |
| Sedimentation | N | | - Mineral Soils | | |
| Sludge | N | | Springs | | |
| Thermal | N | | Tributary(s) | | |
| Turbidity | N | | Wetland | | |
| Other - Specify: | | | Other - Specify: | | |

Comments

Special Instructions for Laboratory

For Lab Use Only

| | | |
|--|--|--|
| Sample Sorter <i>Fannie Richard</i> | Taxonomist <i>Dimick, Jeffrey</i> | Estimated Percent of Sample Sorted <i>100 %</i> |
| Date Processed <i>1-7-17</i> | Specimens Saved <i>Subsample archived in ABC until Apr 2020</i> | |

*D3:4 B2:13 E2:11 D1:17 E3:4
 C2:10 D2:4 B1:11 B3:0 C3:1
 A3:1 E1:9 C1:17 A2:8 E1:1*

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